

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13	("20030123511"   "20040161005"   "4703488"   "5218613"   "5276698"   "5767535"   "5900642"   "6434180"   "6546031"   "6711195"   "6785311"   "6791104"   "6801558").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L2	13	L1 and @ad<"20040205"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L3	4449	strain with per\$1cent	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L4	1	("6791104").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L5	1	L4 and (InAsN InGaAsN GaInAsN indium gallium arsenic arsenide nitride nitrogen).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L6	6130	(antimony antimonide) with (nitrogen nitride)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L7	1611	L6 and laser	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L8	795	(257/14).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L9	1986714	(strained strainING compressed compression tensile tension) NOT STRAIN	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L10	197	(InAsSb or InGaAsSb or GaAsSb) with (well barrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24

## EAST Search History

L11	967	(InAsSb or GaInAsSb or GaAsSb)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L12	654	L11 not L10	US-PGPUB; USPAT	OR	OFF	2007/01/30 12:24
L13	1059	(InAsSb or InGaAsSb or GaAsSb)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L14	833	(InAsN or InGaAsN or GaAsN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L15	98	L14 SAME L13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L16	183	(InAsN or InGaAsN or GaAsN) with (well barrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L17	620	(InAsN or GaInAsN or GaAsN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L18	220	L17 not L16	US-PGPUB; USPAT	OR	OFF	2007/01/30 12:24
L19	50	L16 and L10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L20	28	L19 and InP near3 substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L21	12	L20 and strain	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24

## EAST Search History

L22	36	L15 and InP near3 substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L23	13	L22 and strain	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L24	282	InP and (InAsN or InGaAsN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L25	4	L2 and InP near3 substrate	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L26	2	L25 and L24	US-PGPUB; USPAT	OR	OFF	2007/01/30 12:24
L27	9	L23 and @ad<"20040205"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L28	3	(US-20040051113-\$ or US-20040099856-\$).did. or (US-6621842-\$ or US-5509026-\$ or US-6150604-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/01/30 12:24
L29	1	L28 and (GaInP or InGaP)	US-PGPUB; USPAT	OR	OFF	2007/01/30 12:24
L30	1	("6810056").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L31	1	("6791104").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L32	1	("20030118068").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L33	6	(US-20030026306-\$ or US-20020176465-\$ or US-20040084667-\$ or US-20010048111-\$ or US-20030007538-\$ or US-20030118068-\$ or US-20030118067-\$).did.	US-PGPUB	OR	OFF	2007/01/30 12:24

## EAST Search History

L34	103	InGaAsN and InP adj substrate	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L35	1	L34 and L33	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L36	1	("20020176465").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L37	1	("20030026306").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L38	1	("20010048111").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L39	1	L38 and (well active)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L40	1	(US-5509026-\$).did.	USPAT	OR	OFF	2007/01/30 12:24
L41	1	L30 and InP	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L42	0	(US-6791104-\$).did.	USPAT	OR	OFF	2007/01/30 12:24
L43	0	L42 and (InAsN or InNAs or InGaAsN or GaInAsN or InGaNAs or GaInNAs)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L44	1	L4 and (InAsN or InGaAsN)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L45	93	"5689123"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24

## EAST Search History

L46	26	L45 and laser and active near4 (N nitrogen)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L47	81	L45 and laser	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L48	43	(strain mismatch mis-match) with (per\$1cent per adj cent) with lattice same defect	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 12:24
L49	5	(US-20030013224-\$ or US-20030136957-\$ or US-20040051113-\$ or US-20040079408-\$ or US-20040099856-\$ or US-20050173694-\$).did. or (US-5509026-\$ or US-6150604-\$ or US-6621842-\$ or US-6472680-\$ or US-6617618-\$ or US-6927412-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/01/30 12:24
L50	20	L15 AND L9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L51	4	L49 and InP near3 substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L52	39	L12 and L18	US-PGPUB; USPAT	OR	OFF	2007/01/30 12:24
L53	2	("20030013224" or "6798809") and InP near3 substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L54	4	L23 not L27	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L55	63	strain with per\$1cent with lattice	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24

## EAST Search History

L56	3	"6,791,104"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L57	9	L23 and @ad<"20040205"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L58	4	L49 and (InAsN or InGaAsN or GaInAsN or GaInNAs or InNAs or InGaNAs)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L59	30	"electron quantum well" and "hole quantum well"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L60	7	L27 and well same barrier	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L61	51	L6 with laser	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L62	11	L1 and @ad<"20020926"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24
L63	4	L62 and InP near3 substrate	US-PGPUB; USPAT	OR	OFF	2007/01/30 12:24
L64	102	L34 not L35	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L65	5	L48 and (indium or gallium) and phosphide	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 12:24
L66	36	L15 and InP near3 substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24

## EAST Search History

L67	5	L33 not L35	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 12:24
L68	10	strain with (per\$1cent per adj cent) with lattice same defect	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 12:24
L69	10	L21 and @ad<"20040205"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 12:24